

## Submersible pumps for dirty water

### Applications

Draining of cellars, garages and basements.  
 Draining of construction sites.  
 Emptying of tanks and reservoirs.  
 Lawn and garden irrigation. Fountains.  
 Pumping of domestic wastewater (washing machines, showers, sinks).  
 Emptying of tanks in industrial and ecological applications.  
 Water display, decorative fountains.

### Motor

Dry motor (Class F insulation).  
 IP 68 protection.  
 Single-phase: 220-240 V 50 Hz 2 poles with built-in overload protection.  
 Three-phase: 380-415 V 50 Hz 2 poles.

### Materials

Pump body, motor casing, outer sleeve, impeller, shaft extension, suction screen and nuts and bolts in AISI 304 stainless steel. Front diffuser plate in AISI 304 stainless steel and coated with polyurethane elastomer.  
 Mechanical seal in silicon carbide.  
 Upper lip seal and elastomers in nitrile rubber.  
 Handle in stainless steel and coated with polyacetal resins.

### Equipment

10 m of H07RN-F type neoprene power cord.  
 Pre-assembled float (version without float available on request).

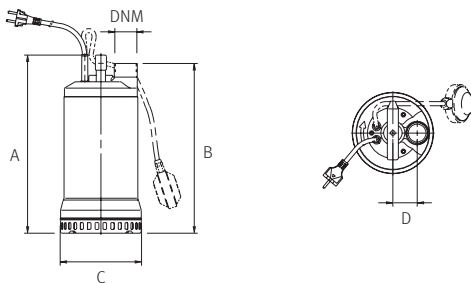
### Limitations

Liquid temperature up to 50 °C.  
 Minimum level of pumped liquid: 25 mm.  
 Suspended solids handled up to 8 mm.  
 Maximum immersion depth: 7 m.

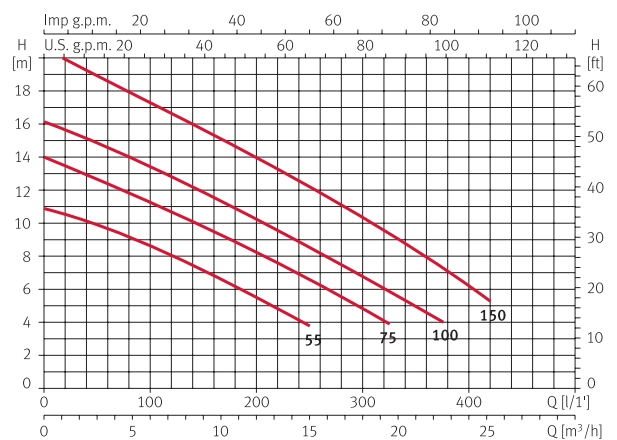


### Dimensions and weights

Model	A	B	C	D	DNM	kg
DWX 55	348	330	Ø178	53	Rp 1 1/2"	12
DWX 75	363	345	Ø178	53	Rp 1 1/2"	14,3
DWX 100	393	375	Ø178	53	Rp 1 1/2"	17
DWX 150	393	375	Ø178	53	Rp 1 1/2"	16,5



### Performance curves at 2900 rpm



### Hydraulic performance table

Model	I (A)			P1 (kW)		P2		µF	l/min m³/h	mwc	25	50	100	200	250	300	350	400	
	1~ 230 V	230 V	3~ 400 V	1~	3~	(kW)	(HP)				1,5	3,0	6,0	12	15	18	21	24	
DWX 55	3,4	2,3	1,35	0,77	0,75	0,55	0,75	16			9,5	9	7,8	4,7	3				
DWX 75	5,1	3,6	2,1	1,15	1,12	0,75	1	22			13	12,3	11	8	6,2	4,1	3		
DWX 100	6,7	4,5	2,6	1,52	1,42	1,1	1,5	30			16,3	15,5	14	10,7	8,9	7	4,8		
DWX 150		5,1	3,7		2,1	1,5	2				19,5	18,6	16,7	13,4	11,6	9,7	7,5	5,1	